

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of)	
)	
Richard Uhlig, et al.)	Examiner: Unassigned
)	
Serial No.: Unassigned)	Art Unit: Unassigned
)	
Filing Date: Unassigned)	
)	
For: Method For Resolving Address Space)	
Conflicts Between A Virtual Machine)	
Monitor And A Guest Operating)	
System)	

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Applicant hereby request consideration of the enclosed Information Disclosure Statement pursuant to 37 C.F.R. § 1.97(c).

Attached are the PTO Forms 1449 and Forms 892 from the parent application filed on December 27, 2000, (Serial No. 09/752,587). This previous application is relied upon for an earlier filing date under 35 U.S.C. 120.

Pursuant to C.F.R. 1.98(d), copies of the references are not being provided herewith since they were previously sent to the patent and Trademark Office. Please consider theses cited documents in the currently pending 1.53(b) continuation in part application filed October 4, 1999.

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I hereby certify that I am causing this paper or fee to be deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

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September 30, 2003
Date

Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

If there are any additional charges, please charge Deposit Account No. 02-2666.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: September 30, 2003



Marina Portnova
Reg. No. 37,850

Customer No. 008791
12400 Wilshire Blvd.
Seventh Floor
Los Angeles, CA 90025-1026
(408) 720-8300

Substitute for Form 1449A/PTO (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known		
				Application Number		09/752,587
				Filing Date		December 27, 2000
				First Named Inventor:		Gilbert Neiger, et al.
				Group Art Unit		2187
				Examiner Name		Takeguchi, K.
Sheet	1	of	1	Attorney Docket Number		042390.P9768
U.S. PATENT DOCUMENTS						
Exam. Initial*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Code ²	Kind (If known)			
		5,437,033		Inoue, Taro, et al.	07-25-1995	
		5,737,604		Miller, David A., et al.	04-07-1998	

FOREIGN PATENT DOCUMENTS								
Exam. Initial*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (If known)				
			WO 02 17555	A	Verisign, Inc.	02/28/2002		
			WO 01 75564	A	Intel Corporation	10/11/2001		
			WO 02 086684	A	Hewlett Packard	10/31/2002		

OTHER ART - NO PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		KARGER, PAUL A., et al., "A VMM Security Kernel for the VAX Architecture," Proceedings of the Symposium on Research in Security and Privacy, 5/7/1990, pp. 2-19, XP010020182, ISBN: 0-8186-2060-9, Boxborough, MA.	
		CHIEN, ANDREW A., et al., "Safe and Protected Execution for the Morph/AMRM Reconfigurable Processor," 7th Annual IEEE Symposium, FCCM '99 Proceedings 4/21/1999, pp. 209-221, XP010359180, ISBN: 0-7695-0375-6, Los Alamitos, CA.	
		ROBIN, JOHN SCOTT and IRVINE, CYNTHIA E., "Analysis of the Pentium's Ability to Support a Secure Virtual Machine Monitor," Proceedings of the 9th USENIX Security Symposium, 8/14/2000, pp. 1-17, XP002247347, Denver, CO.	
		PCT Search Report dated 7/29/03 (U.S. Patent No. '075 Previously cited).	

Examiner Signature	Date Considered
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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)	Attorney Docket No.: 042390.P9768	Application Number: 09/752,587
Page 1 of 2	First Named Inventor: Richard Uhlig, et al.	
	Filing Date: December 27, 2000	

U.S. PATENT DOCUMENTS						
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		Number Code ²	Kind (If known)			
		4,037,214		Richard E. Birney, et al.	07-19-1977	
		4,247,905		Yukihiko Yoshida, et al.	01-27-1981	
		5,757,604		Jeffrey A. Bennett, et al.	05-26-1998	
		6,272,637	B1	Wendell L. Little, et al.	08-07-2001	
		6,314,409	B2	Paul B. Schneck, et al.	11-06-2001	
		6,374,317	B1	Jasmin Ajanovic, et al.	04-16-2002	

FOREIGN PATENT DOCUMENTS								
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		Office ³ Code ⁵	Number ⁴	Kind (If known)				
			JP76139A0		Nippon Telgr. & Telph. Corp.	03-14-2000		

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Page 2 of 2	First Named Inventor: Richard Uhlig, et al.	
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OTHER ART - NO PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation ²
		IBM Technical Disclosure Bulletin, "Information Display Technique For A Terminate Stay Resident Program," Vol. 34, Issue No. 7A, Pages 156-158, December 1, 1991.	

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Notice of References Cited	Application/Control No. 09/752,587	Applicant(s)/Patent Under Reexamination NEIGER ET AL.	
	Examiner Kathy Takeguchi	Art Unit 2187	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-			
	B	US-			
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

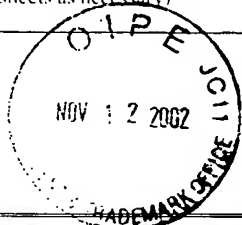
*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
*	U	LAWTON, K. "Running Multiple Operating Systems Concurrently on an IA32 PC Using Virtualization Techniques,"; http://www.plex86.org/research/paper.txt , pages 1-31. Last Updated 11/29/1999.
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Attorney Docket No.:
042390.P9768

Application Number:
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First Named Inventor:
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Filing Date:
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OTHER ART - NO PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation ²
AT		BERG, Cliff, "How Do I Create A Signed Applet?" Dr. Dobb's Journal, August 1997, pages 1-9	
AT		GOLDBERG, Robert P., "Survey of Virtual Machine Research," IEEE Computer Magazine Vol. 7, No. 6, pages 34-45, 1974	
AT		GONG, Li, et al., "Going Beyond the Sandbox: An Overview of the New Security Architecture in the Java Development Kit 1.2," JavaSoft, Sun Microsystems, Inc., Proceedings of the USENIX Symposium on Internet Technologies and Systems, Monterey, California, 11 pages December 1997	
AT		GUM, P.H., "System/370 Extended Architecture: Facilities for Virtual Machines," IBM J. Research Development, Vol. 27, No. 6, pages 530-544, November 1983	
AT		HEINRICH, J., "MIPS R4000 Microprocessor User's Manual," Second Edition, Chapter 4: Memory Management, pages 67-79	
AT		INTEL CORPORATION, Intel386™ DX Microprocessor, 32-Bit CMOS Microprocessor With Integrated Memory Management, 56 pages, December 1995	
AT		LAWTON, K., "Running Multiple Operation Systems Concurrently On An IA32 PC Using Virtualization Techniques," http://www.plex86.org/research/paper.txt , pp 1-31, downloaded August 9, 2001	
AT		MOTOROLA, M68040 User's Manual (Including the MC68040, MC68040V, MC68LC040, MC68EC040, and MC68EC040V), Revised 1993	
AT		ROSENBLUM, M., "VMware's Virtual Platform™ A Virtual Machine Monitor for Commodity PCs," Proceedings of the 11th Hotchips Conference, Stanford University Palo Alto, California, pages 185-196, August 1999	

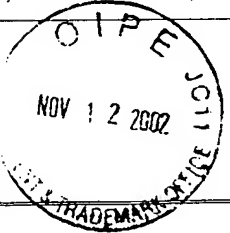
Examiner Signature	<i>Richard Uhlig</i>	Date Considered	5-15-2003
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¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

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Date for Form 1449A/PTO (Modified) (use as many sheets as necessary)		Attorney Docket No.: 042390.P9768 Application Number: 09/752,587	
Page 1 of 2		First Named Inventor: Richard Uhlig, et al.	
Filing Date: December 27, 2000		RECEIVED NOV 13 2002	



U.S. PATENT DOCUMENTS					Technology Center 2100	
Exam. Initial*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Code ²	Kind (If known)			
KT		5,455,909		James S. Blomgren, et al.	10-03-1995	

FOREIGN PATENT DOCUMENTS								
Exam. Initial*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³ Code ⁵	Number ⁴	Kind (If known)				
KT			EP0600112	A1	Siemens Nixdorf Information System	06-08-1994		X Abstract only
KT			EP0930567	A3	Texas Instruments, Inc.	07-21-1999		
KT			EP1146715	A1	ContentGuard Holdings, Inc.	10-17-2001		
KT			WO 98/34365		AT & T Corporation	08-06-1998		
KT			WO 98/44402		British Telecommunications Public Limited Company	10-08-1998		
KT			WO 99/05600		Apple Computer, Inc.	02-04-1999		
KT			WO 99/09482		Siemens Nixdorf Information System	02-25-1999		X Abstract only
KT			WO 99/57863		International Business Machines Corp.	11-11-1999		
KT			WO 00/62232		Digital Media On Demand, Inc.	10-19-2000		

Examiner Signature: <i>[Signature]</i>	Date Considered: 5-15-2003
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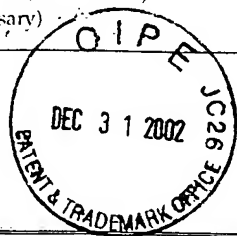
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(use as many sheets as necessary)

ge 1 of 2



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Richard Uhlig, et al.

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OTHER ART - NO PATENT LITERATURE DOCUMENTS

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27		HEINRICH, J., "MIPS R4000 Microprocessor User's Manual," Chapter 4, Memory Management, pages 61-97, 1993	

Examiner
Signature

Kathy Takeguchi

Date Considered
5-15-03

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Page 1 of 3		First Named Inventor: Gilbert Neiger, et al.	
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U.S. PATENT AND PATENT APPLICATION DOCUMENTS

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		Number	Kind Code ² (If known)			
		2001/0021969	A1	Stephen G. Burger, et al.	09-13-2001	
		2001/0027527	A1	Yuri Khidekel, et al.	10-04-2001	
		4,037,214		Richard E. Birney, et al.	07-19-1977	
		4,347,565		Saburo Kaneda, et al.	08-31-1982	
		4,571,672		Minoru Hatada, et al.	02-18-1986	
		5,079,737		Holden G. Hackbarth	01-07-1992	
		5,319,760		Andrew H. Mason, et al.	06-07-1994	
		5,386,552		John I. Garney	01-31-1995	
		5,511,217		Atsushi Nakajima, et al.	04-23-1996	
		5,522,075		Paul T. Robinson, et al.	05-28-1996	
		5,628,022		Masahiro Ueno, et al.	05-06-1997	
		5,737,760		George G. Grimmer, Jr., et al.	04-07-1998	
		5,757,919		Howard C. Herbert, et al.	05-26-1998	

FOREIGN PATENT DOCUMENTS

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		Office ³ Code ⁵	Number ⁴	Kind (If known)				
			EP 1030237	A1	Hewlett Packard Company	08-23-2000		
			WO 97/29567	A1	Fortress U & T, Ltd.	08-14-1997		
			WO 01/175565	A2	Intel Corporation	10-11-2001		
			WO 01/75595	A2	Intel Corporation	10-11-2001		
			WO 01/27723	A2	Hewlett Packard Company	04-19-2001		
			WO 01/27821	A2	Hewlett Packard Company	04-19-2001		

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		Number	Kind Code ² (If known)			
		5,852,717		Chandrashekhar W. Bhide, et al.	12-22-1998	
		5,854,913		John W. Goetz, et al.	12-29-1998	
		5,872,994		Shin-Ichiro Akiyama, et al.	02-16-1999	
		5,953,502		Walter A. Helbig, Sr.	09-14-1999	
		6,055,637		Jerome D. Hudson, et al.	04-25-2000	
		6,075,938		Edouard Bugnion, et al.	06-13-2000	
		6,085,296		Nitin Y. Karkhanis	07-04-2000	
		6,101,584		Satou, et al.	08-08-2000	
		6,125,430		Karen L. Noel, et al.	09-26-2000	
		6,148,379		Curt F. Schimmel	11-04-2000	
		6,182,089	B1	Narayanan Ganapathy, et al.	01-30-2001	
		6,192,455	B1	Zohar Bogin, et al.	02-20-2001	
		6,249,872	B1	Frank L. Wildgrube, et al.	06-19-2001	
		6,272,533	B1	Hendrike A. Browne	08-07-2001	
		6,292,874	B1	Philip C. Barnett	09-18-2001	
		6,301,646	B1	Mathew J. Hostetter, et al.	10-09-2001	
		6,321,314	B1	Korbin S. Van Dyke	11-20-2001	
		6,339,815	B1	Eugene Feng, et al.	11-15-2002	
		6,339,816	B1	Jean Bausch	01-15-2002	
		6,397,242	B1	Scott W. Devine, et al.	05-28-2002	
		6,499,123	B1	Harold L. McFarland, et al.	12-24-2002	
		6,505,279	B1	Gary Phillips, et al.	01-07-2003	

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Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)	Attorney Docket No.: 42390.P9768	Application Number: 09/752,587
Page 3 of 3	First Named Inventor: Gilbert Neiger, et al.	
	Filing Date: December 27, 2000	

OTHER ART - NO PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation ²
		TRUSTED COMPUTING PLATFORM ALLIANCE (TCPA), Main Specification Version 1.1a, 321 pages, Copyright 2000-2001	

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Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)	Attorney Docket No.: 042390.P9768	Application Number: 09/752,587
Page 1 of 2	First Named Inventor: Richard Uhlig, et al.	
	Filing Date: December 27, 2000	

U.S. PATENT DOCUMENTS						
Exam. Initial*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Code ²	Kind (If known)			

FOREIGN PATENT DOCUMENTS								
Exam. Initial*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³ Code ⁵	Number ⁴	Kind (If known)				

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation ²
		HEINRICH, J., "MIPS R4000 Microprocessor User's Manual," Chapter 4, Memory Management, pages 61-97. 1993	

Examiner Signature		Date Considered	
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Page 1 of 2		First Named Inventor: Richard Uhlig, et al.	
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		Number Code ²	Kind (If known)			
		5,455,909		James S. Blomgren, et al.	10-03-1995	

FOREIGN PATENT DOCUMENTS								
Exam. Initial*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³ Code ⁵	Number ⁴	Kind (If known)				
			EP0600112	A1	Siemens Nixdorf Information System	06-08-1994		X Abstract only
			EP0930567	A3	Texas Instruments, Inc.	07-21-1999		
			EP1146715	A1	ContentGuard Holdings, Inc.	10-17-2001		
			WO 98/34365		AT & T Corporation	08-06-1998		
			WO 98/44402		British Telecommunications Public Limited Company	10-08-1998		
			WO 99/05600		Apple Computer, Inc.	02-04-1999		
			WO 99/09482		Siemens Nixdorf Information System	02-25-1999		X Abstract only
			WO 99/57863		International Business Machines Corp.	11-11-1999		
			WO 00/62232		Digital Media On Demand, Inc.	10-19-2000		

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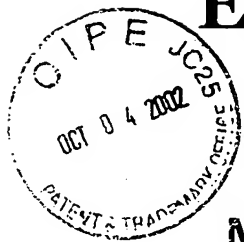
Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)		Attorney Docket No.: 042390.P9768	Application Number: 09/752,587
Page 2 of 2		First Named Inventor: Richard Uhlig, et al.	
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OTHER ART – NO PATENT LITERATURE DOCUMENTS			
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		BERG, Cliff, "How Do I Create A Signed Applet?" Dr. Dobb's Journal, August 1997, pages 1-9	
		GOLDBERG, Robert P., "Survey of Virtual Machine Research," IEEE Computer Magazine Vol. 7, No. 6, pages 34-45, 1974	
		GONG, Li, et al., "Going Beyond the Sandbox: An Overview of the New Security Architecture in the Java Development Kit 1.2," JavaSoft, Sun Microsystems, Inc., Proceedings of the USENIX Symposium on Internet Technologies and Systems, Monterey, California, 11 pages December 1997	
		GUM, P.H., "System/370 Extended Architecture: Facilities for Virtual Machines," IBM J. Research Development, Vol. 27, No. 6, pages 530-544, November 1983	
		HEINRICH, J., "MIPS R4000 Microprocessor User's Manual," Second Edition, Chapter 4: Memory Management, pages 67-79	
		INTEL CORPORATION, Intel386™ DX Microprocessor, 32-Bit CHMOS Microprocessor With Integrated Memory Management, 56 pages, December 1995	
		LAWTON, K., "Running Multiple Operation Systems Concurrently On An IA32 PC Using Virtualization Techniques," http://www.plex86.org/research/paper.txt , pp 1-31, downloaded August 9, 2001	
		MOTOROLA, M68040 User's Manual (Including the MC68040, MC68040V, MC68LC040, MC68EC040, and MC68EC040V), Revised 1993	
		ROSENBLUM, M., "VMware's Virtual Platform™ A Virtual Machine Monitor for Commodity PCs," Proceedings of the 11th Hotchips Conference, Stanford University Palo Alto, California, pages 185-196, August 1999	

Examiner Signature	Date Considered
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Electronic Information Disclosure Statement

METHOD FOR RESOLVING ADDRESS SPACE CONFLICTS BETWEEN A VIRTUAL MACHINE MONITOR AND A GUEST OPERATING SYSTEM

Application:



09/752587

Confirmation: 1639

Applicant(s): Richard Uhlig

Docket

Number: 042390P9768

Group Art

Unit:

Examiner: Unassigned

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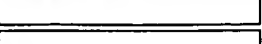




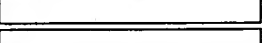

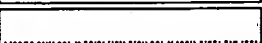




search string: (4,278,837 or 4,307,214 or 4,366,537 or 4,521,852 or 5,075,842 or 5,022,077 or 5,255,379 or 5,293,424 or 5,421,006 or 5,459,869 or 5,473,692 or 5,479,509 or 5,568,552 or 5,615,263 or 5,657,445 or 5,717,903 or 5,729,760 or 5,764,969 or 5,796,845 or 5,805,712 or 5,835,594 or 5,844,986 or 5,890,189 or 5,937,063 or 5,978,481 or 5,987,557 or 6,014,745 or 6,058,478 or 6,158,546 or 6,175,925 or 6,178,509 or 6,205,550 or 6,282,651 or 6,282,657 or 20010037450).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents


init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
XT	P01	4,278,837	1981-07-14		Best		
			1977-07-				

KT	P02	4,307,214 ²	19	McDaniel et al Birney, et al.
KT	P03	4,366,537	1982-12-28	Heller, et al.
KT	P04	4,521,852	1985-06-04	Gutttag
KT	P05	5,075,842	1991-12-24	Lai
KT	P06	5,022,077	1991-06-04	Bealkowski, et al.
KT	P07	5,255,379	1993-10-19	Melo
KT	P08	5,293,424	1994-03-08	Hotley, et al.
KT	P09	5,421,006	1995-05-30	Jablon, et al
KT	P10	5,459,869	1995-10-17	Spilo
KT	P11	5,473,692	1995-12-05	Davis
KT	P12	5,479,509	1995-12-26	Ugon
KT	P13	5,568,552	1996-12-22	Davis
KT	P14	5,615,263	1997-03-25	Takahashi
KT	P15	5,657,445	1997-08-12	Pearce
KT	P16	5,717,903	1998-02-10	Bonola
KT	P17	5,729,760	1998-03-17	Poisner
KT	P18	5,764,969	1998-06-09	Kahle, et al.
KT	P19	5,796,845	1998-08-18	Serikawa, et al.
KT	P20	5,805,712	1998-09-08	Davis
			1998-11-	

KT	P21	5,835,5	10		recht, et al.
KT	P22	5,844,986	1998-12-01		Davis
KT	P23	5,890,189	1999-03-03		Nozue, et al.
KT	P24	5,937,063	1999-08-10		Davis
KT	P25	5,978,481	1999-11-02		Ganesan, et al.
KT	P26	5,987,557	1999-11-16		Ebrahim
KT	P27	6,014,745	2000-01-11		Ashe
KT	P28	6,058,478	2000-05-02		Davis
KT	P29	6,158,546(?)	2000-12-12		Hanson, et al.
KT	P30	6,175,925	2001-01-16		Nardone, et al.
KT	P31	6,178,509	2001-01-23		Nardone, et al.
KT	P32	6,205,550	2001-03-20		Nardone, et al.
KT	P33	6,282,651	2001-08-28		Ashe
KT	P34	6,282,657	2001-08-28		Kaplan, et al.

Published Applications

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init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
KT	U01	20010037450	2001-11-01		Metlitski, et al.		

Remarks

(Remarks are not for responding to an office action.)

Applicants, in accordance with their duty of disclosure under 37 CFR 1.56 and in accordance with 37 CFR 1.97(b)(3), hereby submit this Electronic Information Disclosure Statement citing U.S. Patent Documents for consideration by the Examiner. * Pursuant to 37 CFR 1.97, the submission of this Electronic Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability. * This Information Disclosure Statement is being filed prior to a substantive examination of the claims. Pursuant to 37 CFR 1.97(b), no fee should be required for the filing of this Information Disclosure Statement. In the event it is determined that a fee is due, please charge the fee to Deposit Account 02-2666. * Applicants respectfully requests that the cited documents be considered and that the form be initialed by the Examiner to indicate such consideration and a copy thereof be returned to Applicants' attorney of record. *

Signature

Examiner Name	Date
	5-15-2003